

Climate Summary Report

Wickenburg Airport Weather Station

Wickenburg, Arizona

Period of Record: Calendar Years 1996-2024

Date of Station Installation: 09/01/2001

Weather Sensor Installation: 03/26/2015



State: Arizona

County: Maricopa

Latitude: 33° 57' 53.5" (33.9649)

Longitude: 112° 48' 14.4" (-112.8040)

TRS: T7N-R5W-Section 08

Location: 4.5 miles west of the US 60/93 junction

Time Zone: MST – all year

Data Repeater: Yarnell Hill

Elevation: 2,380 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type –dirt/rock

Obstructions: No obstructions

* For information on annual and monthly rainfall totals at Wickenburg Airport refer to http://alert.fcd.maricopa.gov/alert/Rain/FOPR/52800_FOPR.xlsx.

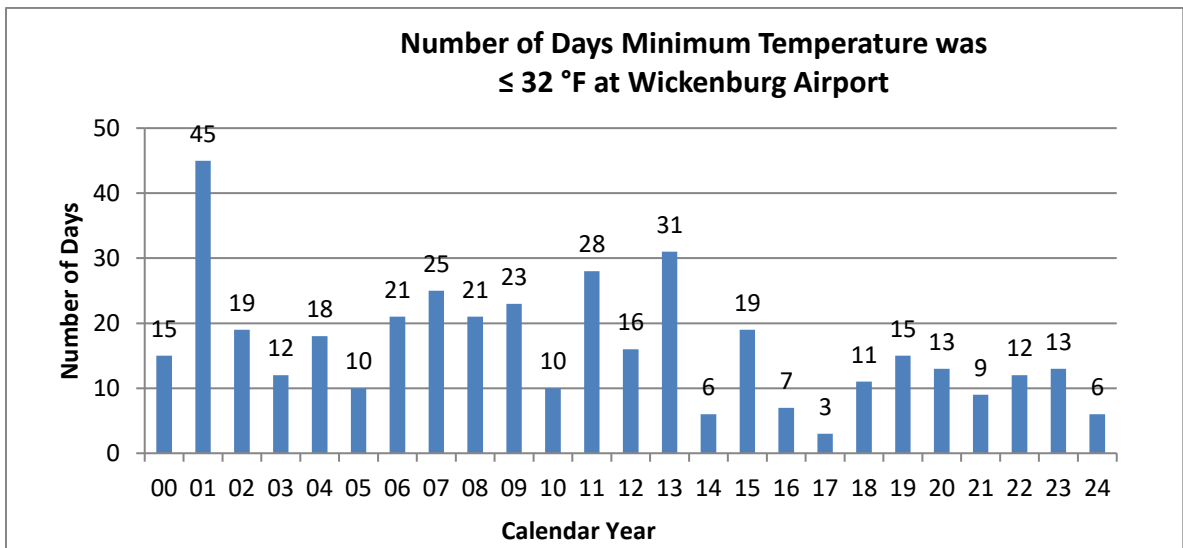
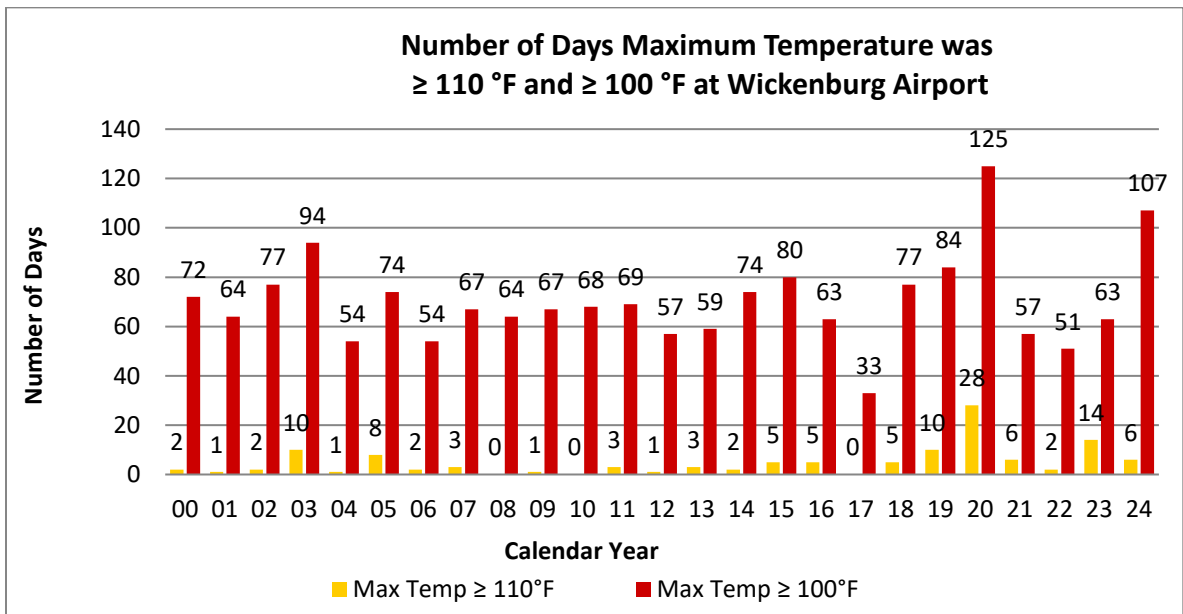
Wickenburg Airport Weather Station 1996-2024

All-Time Records*

Temperature	High	117°F	7/31/2020
	Low	16°F	1/13/2013
Wind	Peak Wind Gust	56 MPH	1/11/2024
Dewpoint	Maximum Dewpoint	82°F	8/2/1998

*Most recent date of occurrence observed.

Temperature Statistics



Wickenburg Airport Weather Station Annual Statistics

Year	Maximum Temp		Minimum Temp		Mean Temp	Maximum Dewpoint		Peak Wind	
	°F	Date*	°F	Date*	°F	°F	Date*	MPH	Date*
2024	114	07/08	26	1/9	71	74	7/1	56	1/11
2023	113	7/26	28	2/16	69	64	9/2	53	4/4
2022	110	7/16	28	12/17	70	77	9/1	40	3/21
2021	112	6/15	29	3/1	70	73	8/15	48	12/14
2020	117	7/31	30	12/16	72	74	8/30	29	8/16
2019	114	8/5	24	1/3	70	77	7/24	38	4/10
2018	113	7/25	25	2/22	71	77	10/2	37	7/8
2017	108	6/20	31	12/22	71	75	8/3	47	7/18
2016	116	6/19	27	2/3	74	79	8/1	36	8/17
2015	112	8/15	24	12/30	71	75	7/31	36	4/15
2014	111	7/23	26	12/29	72	77	9/9	47	8/3
2013	113	6/28	16	1/13	68	75	7/20	32	7/17
2012	110	8/8	26	12/28	69	76	7/13	34	3/2
2011	110	8/24	19	2/3	68	75	7/30	33	2/1
2010	108	7/15	23	12/31	68	78	8/23	36	5/2
2009	111	7/17	26	12/5	69	70	7/25	36	3/26
2008	109	6/20	27	1/18	68	71	8/30	37	3/2
2007	113	7/4	19	1/15	69	80	7/29	38	12/25
2006	112	7/21	23	12/21	69	80	8/24	47	8/1
2005	116	7/17	25	12/17	69	79	8/10	39	7/26
2004	110	7/12	26	12/25	68	79	8/11	38	8/11
2003	114	7/14	23	12/29	71	75	8/28	45	8/13
2002	110	8/10	21	1/31	69	73	9/6	35	5/7
2001	113	7/2	24	2/9	68	74	8/13	47	8/1
2000	111	7/19	24	1/3	69	70	8/27	35	3/30

*Latest date of occurrence observed.

Wickenburg Airport Weather Station Monthly Statistics

Month	Maximum Temp		Mean Temp ¹	Minimum Temp		Peak Wind		Avg Wind (mph) ²
	°F	Date(s) ³	°F	°F	Date(s) ³	MPH	°F	Date(s) ³
January	87	1/31/2003	51.0	16	1/13/2013	56	1/11/2024	3.3
February	86	2/29/2016	53.0	19	2/3/2011	52	2/14/2023	3.7
March	94	3/30/2011	59.1	27	3/3/2002	55	3/13/2024	3.8
April	102	4/29/2020	66.3	32	4/5/2024	53	4/4/2023	4.5
May	109	5/29/2020	75.7	37	5/7/1995	50	5/19/2023	4.3
June	116	6/19/2016	85.9	46	6/13/1998	44	6/25/1998	4.1
July	117	7/31/2020	90.0	58	7/3/1995	50	7/26/2023	4.0
August	115	8/15/2020	88.1	59	8/31/2010	51	8/17/2023	3.5
September	114	9/6/2020	82.4	42	9/10/1995	42	9/10/2023	3.6
October	108	10/1/2020	71.0	32	10/26/1997	36	10/7/2023	3.5
November	93	11/1/2020	59.2	24	11/30/2006	36	11/19/2023	3.3
December	83	12/24/2005	50.4	23	12/31/2010	48	12/14/2021	3.2

¹The daily mean temperature is calculated by averaging each day's 15-minute values (96 if all are received). The monthly mean temperature is calculated by averaging all temperatures in that month (96 * # of days). The mean temperature for each month is calculated by averaging the monthly mean temperatures from all years.

²Average daily wind speed is calculated by dividing the number of hours in a day into the recorded miles of wind run. Monthly average wind speed is calculated by averaging all daily average wind speeds in that month. The average wind speed for each month is calculated by averaging the monthly average wind speeds from all years.

*Most recent date of occurrence observed.

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio.

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	52800	08/03/94	Tipping Bucket	Hydrolynx	5050P	11.9	mm	Variable
Temperature	52801	08/03/94	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.0	deg F/C	15 minutes
Relative Humidity	52802	08/03/94	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.0	%	15 minutes
Dewpoint (calculated)	52816	08/03/94	---	---	---	---	deg F	15 minutes
Wind Speed	52804	08/03/94	3-cup	Hydrolynx	5050WS	11.7	mph	15 minutes
Wind Direction	52805	05/01/01	Pointer	Hydrolynx	5050WD	11.8	deg	15 minutes
Peak Wind	52806	08/05/94	---	---	---	---	mph	15 minutes
Solar Radiation	52811	08/03/94	Silicon photovoltaic cell	Hydrolynx	4015	11.6	watt/sqm	30 minutes
Barometric Pressure	52803	08/03/94	Solid state	Hydrolynx	1522	8.7	mb, inHg	30 minutes

